

ARGUMENT

Applicant has amended the claims to conform to the recommendations of the Examiner. Specifically, claim 1 has been amended to include all of the limitations of claims 1, 12 and 13. The Examiner has indicated that a claim of this scope would be allowable. The remaining rejected claims 2-11, 14, 15, 18, 21, 22, 32, and 33 now depend from this allowable claim and should be in condition for allowance. The Examiner has indicated that claims 41-46 are allowable as they stand.

All of the claims should now be in condition for allowance. It is respectfully requested that the Examiner enter this amendment after final as it places all of the claims in condition for allowance. In the alternative, it is respectfully requested that this amendment be entered for purposes of appeal.

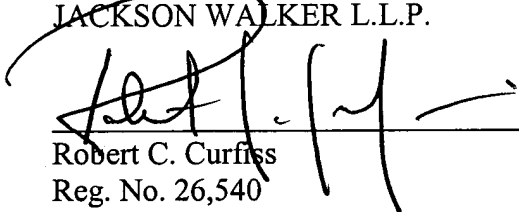
A set of claims in proposed order is attached.

REMARKS

Applicant respectfully requests that this amendment/response be considered by the Examiner and a notice of allowance be entered, or in the alternative that the amendment be entered for purposes of appeal.

If the Examiner feels that a telephone conference with the undersigned would be helpful to the allowance of this application, a telephone conference is respectfully requested.

Respectfully submitted,
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CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited on the date shown below with the United States Postal Service, with sufficient postage as First Class Mail (37 CFR 1.8(a)), in an envelope addressed to Mail Stop Response/FEE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450.

Date: February 8, 2005



Renee Treider

PROPOSED ORDER OF CLAIMS

1. A digital security camera capable of generating and transmitting digital high resolution image signals in both a full motion video format and a still image frame format, the camera comprising:

- a. a plurality of image transducers each adapted for collecting digital high resolution image signals;
- b. a motion video compressor associated with the image transducer for compressing full motion video images for generating a compressed full motion video image data signal;
- c. a still frame compressor associated with the image transducer for compressing still frame images for generating a compressed still frame image data signal;
- d. a first multiplexer for merging the compressed full motion video image data signal and the compressed still frame image data signal into a single, combined image data signal;
- e. a second multiplexer for merging all of said signals into a combined data signal;
- f. a processor associated with the multiplexer for generating a conditioned output image signal suitable for transmission over a network;
- g. a motion compressor and a still frame compressor associated with each image transducer and positioned between the image transducer and the second multiplexer; and

h. a network gateway,

wherein said camera may capture both full motion video and still frame video, alternately or simultaneously, and transmit both compressed full motion video and compressed still frame video, alternately or simultaneously.

2. The digital camera of claim 1, wherein the compressed still frame image data signal is of a higher resolution than the compressed full motion video image data signal.

3. The digital camera of claim 1, further including an activation mechanism for activating the camera to collect images in response to an activation signal.

4. The digital camera of claim 3, wherein the activation mechanism is an event detector adapted for generating an activation signal in response to the detection of an event.

5. The digital camera of claim 4, wherein the event detector is a manually operated switch.

6. The digital camera of claim 4, wherein the event detector is a sensor adapted for automatically responding to the occurrence of an event.

7. The digital camera of claim 6, wherein the event detector is a smoke detector.
8. The digital camera of claim 6, wherein the event detector is an acoustic event detector.
9. The digital camera of claim 6, wherein the event detector is a motion detector.
10. The digital camera of claim 6, wherein the event detector is an alarm trigger switch.
11. The digital camera of claim 3, further including a wireless receiver and wherein the activation signal generator is a remote device having a wireless transmitter for generating an activation signal upon the occurrence of an event.
14. The digital camera of claim 1, further including a single motion compressor and a single still frame compressor associated with all of the image transducers and positioned between the first mentioned multiplexer and the second multiplexer.

15. The digital camera of claim 1, further including a cylindrical housing for housing the plurality of image transducers, each of the image transducers mounted in the cylindrical housing such that they are angularly spaced and aimed radially outward from the cylindrical housing in a manner to collect a combined image representing a full panoramic view of an area within the normal range of the image transducers.

18. The digital camera of claim 1, further including a planar housing for supporting the plurality of image transducers mounted in the housing on a planar surface thereof and spaced to provide full image collection coverage for a predetermined area.

21. The digital camera of claim 1, further including a spherical housing for supporting the plurality of image transducers mounted in the housing in angularly spaced, radially projecting relationship to provide full image collection coverage for a predetermined three dimensional space.

22. The digital camera of claim 1, further including a housing comprising an axial sliced cylinder having a planar wall and a partially cylindrical wall, the planar wall adapted for mounting the housing on a relatively flat surface, the plurality of image transducers mounted in the cylindrical portion of the housing such that they are angularly spaced and aimed radially outward from the housing in a manner to collect a combined image representing a full panoramic view of an area within the normal range of the image transducers.

32. The digital camera of claim 1, wherein the full motion video compressor is an MPEG chip.

33. The digital camera of claim 1, wherein the full motion video compressor is a JPEG chip.

41. A digital security camera capable of generating and transmitting digital high resolution image signals in both a full motion video format and a still image frame format, the camera comprising:

- a. a plurality of image transducers each adapted for collecting digital high resolution image signals;
- b. a motion video compressor associated with each image transducer for compressing full motion video images for generating a compressed full motion video image data signal and positioned between said image transducer and a second multiplexer;
- c. a still frame compressor associated with each image transducer for compressing still frame images for generating a compressed still frame image data signal and positioned between said image transducer and a second multiplexer;
- d. a first multiplexer associated with each image transducer for merging the compressed full motion video image data signal and the compressed still frame image data signal into a single, combined image data signal;

- e. a second multiplexer for merging all of said signals into a combined data signal;
- f. a processor associated with the second multiplexer for generating a conditioned output image signal suitable for transmission over a network; and
- g. a network gateway.

42. A digital security camera capable of generating and transmitting digital high resolution image signals in both a full motion video format and a still image frame format, the camera comprising:

- a. a plurality of image transducers each adapted for collecting digital high resolution image signals;
- b. a single motion video compressor associated with all of the image transducers for compressing full motion video images for generating a compressed full motion video image data signal and positioned between a first multiplexer and a second multiplexer;
- c. a single still frame compressor associated with all of the image transducers for compressing still frame images for generating a compressed still frame image data signal and positioned between a first multiplexer and a second multiplexer;
- d. a first multiplexer associated with each image transducer for merging the compressed full motion video image data signal and the compressed still frame image data signal into a single, combined image data signal;

- e. a second multiplexer for merging all of said signals into a combined data signal;
- f. a processor associated with the second multiplexer for generating a conditioned output image signal suitable for transmission over a network; and
- g. a network gateway.

43. A digital security camera capable of generating and transmitting digital high resolution image signals in both a full motion video format and a still image frame format, the camera comprising:

- a. a plurality of image transducers each adapted for collecting digital high resolution image signals;
- b. a cylindrical housing for housing the plurality of image transducers, each of the image transducers mounted in the cylindrical housing such that they are angularly spaced and aimed radially outward from the cylindrical housing in a manner to collect a combined image representing a full panoramic view of an area within the normal range of the image transducers;
- c. a motion video compressor associated with the image transducer for compressing full motion video images for generating a compressed full motion video image data signal;
- d. a still frame compressor associated with the image transducer for compressing still frame images for generating a compressed still frame image data signal;

- e. a first multiplexer associated with each image transducer for merging the compressed full motion video image data signal and the compressed still frame image data signal into a single, combined image data signal;
- f. a second multiplexer for merging all of said signals into a combined data signal;
- g. a processor associated with the second multiplexer for generating a conditioned output image signal suitable for transmission over a network; and
- h. a network gateway.

16. The digital camera of claim 43, wherein the plurality of the image transducers are mounted in a common plane generally perpendicular to the axis of the cylindrical housing.

17. The digital camera of claim 16, further including a second plurality of image transducers, each of said second plurality of image transducers mounted in the cylindrical housing such that they are angularly spaced and aimed radially outward from the housing in a manner to collect a combined image representing a full panoramic view of an area within the normal range of the image transducers, said second plurality of image transducers mounted in a common plane generally perpendicular to the axis of the cylindrical housing and axially spaced from said first mentioned common plane.

25. The digital camera of claim 43, the cylindrical housing further including a stand for supporting the cylindrical housing on the floor with the plurality of image transducers mounted in a common plane parallel to the floor.

26. The digital camera of claim 25, including cable and wire passageways in the stand.

27. The digital camera of claim 25, including a power supply for powering the digital camera housed within the stand.

28. The digital camera of claim 27, wherein the power supply is a self-contained, rechargeable power supply.

29. The digital camera of claim 43, the cylindrical housing including means for supporting the camera from the ceiling with the plurality of image transducers mounted in a common plane parallel to the ceiling.

30. The digital camera of claim 43, the cylindrical housing further housing a removable hard drive for storing the image data collected by the plurality of image transducers.

31. The digital camera of claim 43, the cylindrical housing further housing a WLAN transceiver.

Claim 44. A digital security camera capable of generating and transmitting digital high resolution image signals in both a full motion video format and a still image frame format, the camera comprising:

- a. a plurality of image transducers each adapted for collecting digital high resolution image signals;
- b. a planar housing for supporting the plurality of image transducers mounted in the planar housing on a planar surface thereof and spaced to provide full image collection coverage for a predetermined area;
- c. a motion video compressor associated with the image transducer for compressing full motion video images for generating a compressed full motion video image data signal;
- d. a still frame compressor associated with the image transducer for compressing still frame images for generating a compressed still frame image data signal;
- e. a first multiplexer associated with each image transducer for merging the compressed full motion video image data signal and the compressed still frame image data signal into a single, combined image data signal;
- f. a second multiplexer for merging all of said signals into a combined data signal;

- g. a processor associated with the second multiplexer for generating a conditioned output image signal suitable for transmission over a network; and
- h. a network gateway.

19. The digital camera of claim 44, wherein all of the plurality of image transducers are mounted in a straight line on the planar surface.

20. The digital camera of claim 19, further including a second plurality of image transducers mounted in a second straight line on the planar surface of the planar housing, said second straight line being parallel to and spaced from said first mentioned straight line.

45. A digital security camera capable of generating and transmitting digital high resolution image signals in both a full motion video format and a still image frame format, the camera comprising:

- a. a plurality of image transducers each adapted for collecting digital high resolution image signals;
- b. a spherical housing for supporting the plurality of image transducers mounted in the spherical housing in angularly spaced, radially projecting relationship to provide full image collection coverage for a predetermined three dimensional space;

- c. a motion video compressor associated with the image transducer for compressing full motion video images for generating a compressed full motion video image data signal;
- d. a still frame compressor associated with the image transducer for compressing still frame images for generating a compressed still frame image data signal;
- e. a first multiplexer associated with each image transducer for merging the compressed full motion video image data signal and the compressed still frame image data signal into a single, combined image data signal;
- f. a second multiplexer for merging all of said signals into a combined data signal;
- g. a processor associated with the second multiplexer for generating a conditioned output image signal suitable for transmission over a network; and
- h. a network gateway.

46. A digital security camera capable of generating and transmitting digital high resolution image signals in both a full motion video format and a still image frame format, the camera comprising:

- a. a plurality of image transducers each adapted for collecting digital high resolution image signals;
- b. a housing comprising an axial sliced cylinder having a planar wall and a partially cylindrical wall, the planar wall adapted for mounting the housing on a relatively

flat surface, the plurality of the image transducers mounted in the cylindrical portion of the housing such that they are angularly spaced and aimed radially outward from the housing in a manner to collect a combined image representing a full panoramic view of an area within the normal range of the image transducers;

- c. a motion video compressor associated with the image transducer for compressing full motion video images for generating a compressed full motion video image data signal;
- d. a still frame compressor associated with the image transducer for compressing still frame images for generating a compressed still frame image data signal;
- e. a first multiplexer associated with each image transducer for merging the compressed full motion video image data signal and the compressed still frame image data signal into a single, combined image data signal;
- f. a second multiplexer for merging all of said signals into a combined data signal;
- g. a processor associated with the second multiplexer for generating a conditioned output image signal suitable for transmission over a network; and
- h. a network gateway.

23. The digital camera of claim 46, wherein all of the image transducers are mounted in a common plane generally perpendicular to the axis of the cylindrical portion of the housing.

24. The digital camera of claim 23, further including a second plurality of image transducers, each of said second plurality of image transducers mounted in the cylindrical portion of the housing such that they are angularly spaced and aimed radially outward from the housing in a manner to collect a combined image representing a full panoramic view of an area within the normal range of the image transducers, said second plurality of image transducers mounted in a common plane generally perpendicular to the axis of the cylindrical portion of the housing and axially spaced from said first mentioned common plane.

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